

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of

**YOSHIBA *et al.***

**Application Number: 10/026,767**

**Filed: December 27, 2001**

**For: TRANSGENIC RICE PLANT AND ITS FAMILY WITH  
ENVIRONMENTAL STRESS RESISTANT BY PROLINE  
ACCUMULATION OF HIGH LEVEL AND ITS  
PRODUCTION**

**ATTORNEY DOCKET NO. NITT.0051**

**Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231**



1638  
#6  
9/9/02

**RECEIVED**

**SEP 06 2002**

**TECH CENTER 1600/2900**

**LETTER**

Sir:

The below-identified communications are submitted in the above-captioned application or proceeding:

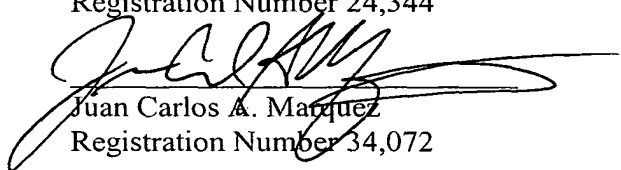
- |   |   |
|---|---|
| <input type="checkbox"/> Priority Document                                      | <input type="checkbox"/> Verified English Translation                       |
| <input type="checkbox"/> Notice of Priority                                     | <input checked="" type="checkbox"/> Information Disclosure Statement w/refs |
| <input type="checkbox"/> Response to Missing Parts<br>with executed declaration | <input type="checkbox"/> Notice of Related Applications                     |
|   | <input type="checkbox"/> Check for \$                                       |

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.

☒

Respectfully submitted,

Stanley P. Fisher  
Registration Number 24,344

  
Juan Carlos A. Marquez  
Registration Number 34,072

**REED SMITH LLP**  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, Virginia 22042  
(703) 641-4200

**September 5, 2002**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re U.S. Patent Application of**

**YOSHIBA *et al.***

**Application Number: 10/026,767**

**Filed: December 27, 2001**

**For: TRANSGENIC RICE PLANT AND ITS FAMILY WITH  
ENVIRONMENTAL STRESS RESISTANT BY PROLINE  
ACCUMULATION OF HIGH LEVEL AND ITS  
PRODUCTION**

**ATTORNEY DOCKET NO. NITT.0051**

**Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231**



**RECEIVED**  
SEP 06 2002  
TECH CENTER 1600/2900

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

**CERTIFICATION**

This Information Disclosure Statement is submitted after three months of the filing date but prior to the mailing date of the first Office Action of the above-captioned U.S. patent application. It is also hereby certified that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Accordingly, no fee is due or payable at this time.

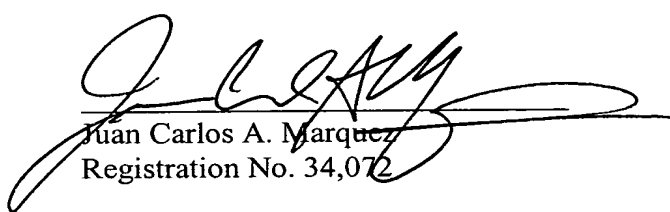
The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

---

Stanley P. Fisher  
Registration Number 24,344



---

Juan Carlos A. Marquez  
Registration No. 34,072

**REED SMITH LLP**  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, Virginia 22042  
(703) 641-4200

**September 5, 2002**

RECEIVED

Form PTO 1449	ATTY. DOCKET NUMBER NITT.0051	10/026,767	SEP 06 2002
U.S. Department of Commerce Patent and Trademark Office	APPLICANT Yoshiba et al.		
Information Disclosure Statement by Applicant	FILING DATE December 27, 2001	GROUP	

TECH CENTER 1600/2900

## U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,639,950	6/17/97	Verma et al.			6/29/94
	5,344,923	9/6/94	Verma et al			9/29/92

## Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	WO 99/66785	6/24/99	PCT			X	

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	United Kingdom Search Report dated July 26, 2002,
	Tokihiko Nanjo, Masatomo Kobayashi, Yoshu Yoshiba, Yoshitaka Kakubari, Kazuko Yamaguchi-Shinozaki, Kazuo Shinozaki, "Antisense suppression of proline degradation improves tolerance to freezing and salinity in Arabidopsis thaliana", FEBS Letters, Vol. 461 (1999), pp. 205-210
	Baocheng Zhu, Jin Su, Menchi Chang, Desh Pal S. Verma, Yun-Liu Fan, Ray Wu, "Overexpression of a $\Delta^1$ -pyrroline-5-carboxylate synthetase gene and analysis of tolerance to water- and salt-stress in transgenic rice" Plant Science, Vol. 139 (1998), pp. 41-48
	Yoshu Yoshiba, Tomohiro Kiyosue, Kazuo Nakashima, Kazuko Yamaguchi-Shinozaki and Kazuo Shinozaki, "Regulation of Levels of Proline as an Osmolyte in Plants under Water Stress", Plant Cell Physiology, Vol. 38 (1997), pp. 1095-1102
	Z. Peng, Q. Lu and D.P.S. Verma, "Reciprocal regulation of $\Delta^1$ -pyrroline-5-carboxylate synthetase and proline dehydrogenase genes controls proline levels during and after osmotic stress in plants", Molecular and General Genetics, Vol. 253 (1996), pp. 334-341